

FROM THE GARAGE, INTO THE WORLD

AVILOO GmbH

AVILOO GmbH, the developer of battery diagnostics for electric and plug-in hybrid cars, is an Austria-based company operating throughout the EU market and beyond. The team of more than 25 AVILOO experts has developed a unique technology for testing Lithium-ion batteries and has thus opened a completely new market dimension within the automotive industry. The AVILOO Battery Diagnostic is independent, accurate, and reliable, and the battery tests themselves are simple and tailored to the needs of each user.

AVILOO GmbH, a company with start-up origins, has existed since 2017. The founders of the company are DI Wolfgang Berger, CEO, and DI Nikolaus Mayerhofer, CTO. This team of successful executives was soon joined by Dr. Marcus Berger as partner and COO/CFO. The AVILOO team is constantly growing and currently has more than 25 experienced employees from seven different countries. In the AVILOO technology center in Wiener Neudorf, battery test solutions are developed and improved nearly everyday thanks to fresh ideas, innovative approaches, fascinating technical knowledge, and absolute customer focus.

"We worked intensively on our idea, without breaks, during the weekend, in the evening, whenever we had time. And now – after three years of development – we are successful on the European market with our AVILOO PREMIUM Battery Test," emphasized CEO and founder of AVILOO GmbH DI Wolfgang Berger. **"AVILOO is closing a market gap in the continuously growing EV market."**

Battery Diagnostics

The value of a traction battery in an electric vehicle is dependent on its state of health (SoH) and is therefore decisive for the entire value of a used EV, as the battery is the most expensive component. Thus, the AVILOO PREMIUM Test has the potential to become standard when buying and selling used EVs. Kilometers driven and year of manufacture are not sufficient for the professional evaluation of electric vehicles since the usage behavior of the previous owner(s) has a decisive influence on the SoH of the EV's traction battery. A battery diagnostic process for high-voltage batteries will therefore revolutionize the still weakening used car trade and significantly support the breakthrough of electromobility. A functioning used car market enables consumers to get started with this technology more conveniently. This is an important fact if trust in electromobility is to grow among the public and a further contribution to decarbonization is to be made.

COMPANY PROFILE

Wiener Neudorf

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The TÜV certified AVILOO Battery Certificate documents the exact SoH of the battery objectively and across manufacturers and will therefore help determine the value of the used EV. Car dealerships, insurance companies, financial service providers and, of course, consumers in particular will benefit from this information.

There are currently two types of tests available to customers: The AVILOO PREMIUM Test is an exact state of health test that checks the battery's performance and provides detailed information about its state of health. The AVILOO FLASH Test is a quick test that determines the functionality of the drive battery from the perspective of battery safety.

Both battery checks are easy to handle. All one must do is connect the AVILOO BOX, an OBD device specially developed by AVILOO, to the vehicle's OBD interface and start the AVILOO App. During the AVILOO PREMIUM Test, the battery must be fully charged and then discharged to a 10% charge level over a period of up to seven days through normal trips to the office, to visit friends, etc. During the ride, millions of pieces of data are collected and sent to the AVILOO Battery Data Cloud platform. After completing the test, you will receive the AVILOO Battery Certificate by e-mail within 48 hours with valuable information on the battery's condition and thus on the value of the battery. With the AVILOO FLASH Test, it is sufficient to connect the AVILOO BOX to the vehicle for two minutes to receive a corresponding report on battery safety.

Above all, cell manufacturers, battery pack manufacturers, and developers of battery management systems in the field of electromobility are keenly interested in the battery field data collected by AVILOO. The aforementioned companies often have extensive laboratory data, but hardly any field data, i.e. how their cells actually behave in the field. AVILOO delivers high-quality battery field data from all common electric vehicles via the AVILOO Battery Data Cloud or automatically via an API.

"To ensure full acceptance of our AVILOO PREMIUM Test, we subjected it to the strict test criteria of TÜV Austria," stated AVILOO CTO DI Mayerhofer. "We are proud to be able to show the TÜV seal on the AVILOO Battery Certificates!"

AVILOO is already working with several very prominent partners such as the ÖAMTC, ARBÖ und EMC in Austria, GTÜ, TÜV Süd und ADAC in Germany, the ACS in Switzerland, ACL in Luxembourg und Elbil in Norway. Further sales partnerships in Europe are currently being negotiated. With the assistance of our sales partners, we offer all owners of electric vehicles the opportunity to receive the AVILOO PREMIUM Test directly from our sales partners. Customers can also contact AVILOO directly and purchase the AVILOO PREMIUM Test at www.aviloo.com.

"The development of a company from a small start-up to a global company is an outstanding achievement. AVILOO was able to obtain all available public funding (FFG, aws, EU Commission) and to date more than 6 million Euros in financing, including the successful Crow investment campaign in Austria. We are an open, dynamic, and stable company," said Dr. Marcus Berger, COO/CFO.

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Numerous awards and external recognitions (Born Global Champion from WKO Austria, Houska Prize, EIT Inno Energy, etc.) confirm the success of AVILOO and the path we have taken. AVILOO is a TOP innovation leader in the field of battery data analysis and continues its path of development aimed at establishing new partnerships and developing new products for the booming electromobility market.

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